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LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 332

RAW LINSEED OIL

91233—1

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

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INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 332

RAW LINSEED OIL

OTTAWA, January 14, 1916.

J. U. VINCENT, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to submit a report dealing with two hundred and ten (210) samples of raw linseed oil, obtained by our inspectors throughout Canada in July, August and September of last year.

These samples were purchased from dealers in paint materials, the object being to ascertain to what extent, if at all, surrogates are offered on the market. The fourth schedule to the Adulteration Act defines *White Lead in Oil* as "Dry white lead ground in pure linseed oil, etc," thus involving the identification of linseed oil as a paint material.

In September, 1913 (see Bulletin No. 266), I reported upon fifty-three samples of linseed oil, and from this report I quote the following:—

"Owing to the fact that commercial linseed is never pure, it follows that the oil expressed from such seed varies in character, within limits, depending upon the nature and amount of foreign seeds in admixture. The following extremes are quoted from Allen's Commercial Organic Analysis, 4th edition, vol. II, p. 70:—

Specific gravity at 15·5°C	0·9315 to 0·9410	
Solidifying point	16°	27°C.
Melting point of fatty acids	17°	24°C.
Saponification value	190	201
Reichert-Meissl value	0	
Hehner value	95·0	95·5
Iodine value	175	201

Owing to the great variety and diverse character of available adulterants for linseed oil, and to the inevitable variability of the article, even when commercially genuine, the detection (and particularly the specific indentification) of adulteration in linseed oil is far from being a simple matter. Large buyers of linseed oil would do well to furnish specifications of the article they demand, or purchase by sample. The American Society for Testing Materials fixed the following specifications for the year 1910 (*Oil and Colour Journal*, 1909, 36):—

RAW LINSEED OIL.

	Maximum.	Minimum.
Specific gravity at 15·°C.	0·936	0·932
" 25·°C.	0·931	0·927
Acid number	6·000	
Saponification value	192	189
Unsaponifiable residue	1·5	
Refractive index at 25°C.	1·4805	1·4790
Hanus iodine value	190	178

As judged by the above quoted standards, which, however, have no direct legal approval for Canada, the samples now reported appear as below:—

	Samples.
Genuine	190
Doubtful	9
Adulterated	11
Total	210

Allen (Com. Org. Analysis, Vol. II, 339) quotes the following list of adulterants for linseed oil: Mineral hydrocarbons, cottonseed oil, nigerseed oil, tung oil, fish oil, hempseed oil; rosin and rosin oil, rape oil, ravison oil, safflower oil, and candle nut oil. Of course the particular adulterant selected in a given case will depend upon the cheapness of the adulterant. Mineral hydrocarbons and rosin oil appear most usually in adulterated linseed oil as offered on Canadian markets.

A material which may become available as a substitute for, or possibly as an adulterant of, linseed oil, is a fraction of the oils obtained in the destructive distillation of wood. (Pritchard, *Journal Industrial and Engineering Chemistry*, 1912, 338.) The author says: "We have had these oils tested out for the commercial purposes that rosin oils are used for, and they seem to serve admirably. They can be produced at much less cost."

Teeple (*Journal Industrial and Engineering Chemistry*, 1913, p. 682), writing of the utilization of wood waste, says: "The light oils from resinous woods, which are between tar oil and turpentine in their character, find a very limited market."

I beg to recommend publication of this report as Bulletin No. 332.

I have the honour to be, Sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
							DISTRICT OF NOVA SCOTIA—
1915.							
Sept. 28	Raw Linseed Oil.	64246	Wm. Stairs, Son, & Morrow, Halifax.	1½ pts.	15	Can. Linseed Oil Co., Montreal.	Mfrs .....
" 28	"	64247	Wm. Robertson & Son, Halifax.	1½ "	15	Dom. Linseed Oil Co., Montreal.	" .....
" 28	"	64248	A. M. Bell & Co., Halifax..	1½ "	15	Can. Linseed Oil Mill Co., Montreal.	" .....
" 28	"	64249	Jas. Simmonds, Ltd., Halifax.	1½ "	15	" "	" .....
" 28	"	64250	Geo. E. Smith & Co., Halifax.	1½ "	15	Dom. Linseed Oil Co., Montreal.	" .....
							DISTRICT OF NOVA SCOTIA—
Aug. 13	Raw Linseed Oil.	60831	J. L. Fraser, New Glasgow.	3 pts.	45	Imperial Oil Co., Halifax.	Mfrs.....
" 13	"	60832	Thompson & Sutherland, New Glasgow.	3 "	37	Sherwin-Williams Co., Montreal.	" .....
" 13	"	60833	Bent & Cohoon, New Glasgow.	3 "	38	Can. Paint Co., Montreal.	" .....
							DISTRICT OF CAPE BRETON—
July 27	Raw Linseed Oil.	63813	C. P. Moore, Sydney.....	3 pts.	45	Dom. Linseed Oil Co., Montreal.	.....
" 27	"	63815	Thompson, Sutherland Co., Sydney.	3 "	45	Sherwin-Williams Co., Montreal.	.....
							DISTRICT OF PRINCE EDWARD ISLAND—
July 15	Raw Linseed Oil.	60353	Prowse & Sons, Murray Harbour.	3 pts.	35	.....	Thompson & Sutherland, New Glasgow.
" 17	"	60354	S. H. Crabbe, Charlottetown.	3 "	30	Sherwin-Williams, Montreal.	.....
" 17	"	60355	Fennell & Chandler, Charlottetown.	3 "	35	Dom. Linseed Oil Co., Montreal.	.....
" 19	"	60356	Rogers Hardware Co., Charlottetown.	3 "	35	The Can. Linseed Oil Mills, Ltd., Montreal.	.....
" 19	"	60357	P. J. Benigan, Dunsden, Lot 31.	3 "	35	.....	Rogers Hardware Co., Charlottetown.
" 19	"	60358	A. J. McNevin, Bonshaw, Lot 0	3 "	35	.....	"

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 50° C.	Specific Gravity at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.		
R. J WAUGH, INSPECTOR.							
.....	1·4807	0·933	191·6	Linseed	....	64246	Genuine.
.....	1 4810	0·934	192·5	"	....	64247	"
.....	1·4808	0·933	190·8	"	.....	64248	"
.....	1·4808	0·933	189·0	"	.....	64249	"
.....	1·4809	0·933	190 8	"	...	64250	"
WALTER A. PETIPAS, TEMPORARY INSPECTOR.							
.....	1·4808	0·933	190·8	Linseed	.....	69831	Genuine.
.....	1·4810	0·933	193·2	"	...	69832	"
.....	1 4809	0·933	194·8	"	.....	69833	"
E. F. McKEEN, INSPECTOR.							
.....	1 4808	0·933	193·0	Linseed	.....	63813	Genuine.
.....	1·4810	0·932	193·9	"	...	63815	"
WM. A. WEEKS, INSPECTOR.							
.....	1·4808	0·932	192·0	Linseed	.. ..	60353	Genuine.
.....	1·4800	0·929	187·5	"	1·17	60354	Specific gravity low. Doubtful.
.....	1·4804	0·933	192 3	"	...	60355	Genuine.
.....	1·4811	0·933	193·8	"	.....	60356	"
.....	1 4819	0·939	192·0	Foreign oil.	1·90	60357	Doubtful. Non-saponifiable residue high.
.....	1·4812	0·933	195·3	Linseed	.....	60358	Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.
DISTRICT OF PRINCE EDWARD ISLAND—							
1915.							
July 23	Raw Linseed Oil.	60359	Russell Car, Morell	3 pts.	35	Can. Paint Co., Montreal.	.....
" 23	"	60360	H. H. Cox, Morell	3 "	35	Can. Linseed Oil Mills, Ltd., Montreal.	.....
" 23	"	60361	Lestock, Anderson, St. Peters.	3 "	35	A. M. Bell Co., Halifax.	.....
" 23	"	60362	Matthew & McLean, Ltd., Souris.	3 "	35	Sherwin-Williams, Montreal.	.....
DISTRICT OF NEW BRUNSWICK—							
Aug. 2	Raw Linseed Oil.	66141	Robertson, Foster & Smith, St. John.	3 pts.	40	Dom. Linseed Oil Co., Montreal.	.....
" 3	"	66142	F. A. Young, St. John	3 "	40	The Can. Oil Co., Ltd., Montreal.	.....
" 3	"	66143	T. McAvity & Sons, St. John.	3 "	40	Dom. Linseed Oil Co., Montreal.	.....
" 4	"	66144	W. H. Thorne & Co., Ltd., St. John.	3 "	45	Can. Linseed Oil Mills, Montreal.	.....
" 4	"	66145	H. L. & J. T. McGowan, St. John.	3 "	50	"	.....
" 11	"	65146	The De Wolfe Hardware Co., St. Stephen.	3 "	45	.....	Robertson, Foster & Smith, St. John.
" 17	"	66147	R. Chestnut & Son, Fredericton.	3 "	45	Dom. Linseed Oil Co., Montreal.	.....
" 18	"	66148	W. F. Dibbley & Son, Woodstock.	3 "	45	.....	Can. Paint Co., Ltd., Montreal
" 24	"	66149	Sussex Mercantile Co., Ltd., Sussex.	3 "	45	Can. Linseed Oil Co., Ltd., Montreal.	.....
" 26	"	66150	Sumner & Co., Moncton	3 "	30	.....	De B. Carritte, St. John.
DISTRICT OF QUEBEC PROVINCE—							
July 6	Huile de lin.	3602	A. Audet, Ste. Claire	3 pts.	35	.....	The Beaver Co., Ltd., Montreal.
" 7	"	3604	Dorchester Lumber, St. Malachi.	3 "	21	Sherwin-Williams.	.....
" 12	"	3611	J. L. Audet, St. Edward.	3 "	25	William Doyle	.....
" 16	"	3625	P. K. Prevost, Ste. Rose	3 "	15	Herwin Young, Quebec.	.....
" 17	"	3626	Ganipie, Ste. Prosperie.	3 "	25	Fratingham, Montreal.	.....

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 20° C.	Specific Gravity at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.		
Concluded.							
.....	1·4808	0·932	196·1	Linseed	.....	60359	Genuine.
.....	1·4811	0·933	197·3	"	.....	60360	"
.....	1·4811	0·934	193·5	"	.....	60361	"
.....	1·4811	0·934	196·8	"	..	60362	"
JOHN C. FERGUSON, INSPECTOR.							
.....	1·4811	0·932	191·9	Linseed	.....	66141	Genuine.
.....	1·4808	0·933	190·7	"	.....	66142	"
.....	1·4811	0·933	193·5	"	.	66143	"
.....	1·4809	0·933	192·4	"	.....	66144	"
.....	1·4807	0·933	192·2	"	....	66145	"
.....	1·4810	0·933	192·0	"	.....	66146	"
.....	1·4805	0·933	193·2	"	.....	66147	"
.....	1·4806	0·932	192·0	"	.....	66148	"
.....	1·4813	0·933	195·7	"	..	66149	"
.....	1·4804	0·933	193·2	"	.....	66150	"
J. F. AUDET, D. BROCHU, N. CADIEUX, T. GENDREAU, TEMP. INSPECTORS.							
.....	.....	0·944	180·7	Doubtful.	6·14	3602	Adulterated. Saponification too low.
.....	.....	0·934	189·8	Linseed.	.....	3604	Genuine.
.....	.....	0·950	183·2	"	1·28	3611	Doubtful. Saponification low.
.....	.....	0·939	176·9	Doubtful.	5·89	3625	Adulterated. Saponification too low.
.....	.....	0·935	173·7	Indicates mineral oil.	8·49	3626	" "

DISTRICT OF QUEBEC PROVINCE—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.
1915.							
July 20	Huile de lin. crue.	3587	Michel Lacroix, St. Raphael.	1 pt.	20	Sherwin - Williams	.....
" 20	Huile de lin.	3590	Archille Lamarie, St. Valier.	1 "	23	Can. Paint, Montreal.	.....
" 20	"	3592	L. A. Roy, St. Valier.. .	1 "	24	" ..	.....
" 22	Huile lin bouillie,	4402	Geo. Roy, St. Michel.....	3 bots.	23	Martin Senour Co., Montreal.	.....
" 22	"	4404	J. A. Lemieux, St. Michel..	3 "	23	Sherwin - Williams Co., Montreal.	.....
" 22	Huile de lin.	4411	J. B. Lacroix, St. Charles...	1 pt.	25	Can. Paint Co...	.....
" 22	"	4412	J. E. Rouillard, St. Gervais.	1 "	30	Sherwin - Williams Co.	.....
" 22	Huile de lin.	4417	Arthur Arsenault, St. Gervais.	1 Pte.	23	Can. Paint Co., Montreal.	.....
" 23	" " ..	4421	Charles Gagnon, St. Damien	1 "	32	Dorchester Lambert Co., Montreal.	.....
" 23	" " ..	4422	Napoleon Aubin, St. Damien	1 "	32	" "	.....
" 12	" " ..	297	Alexandre Villeneuve, St. Jerome.	3 chop	60	Mount Royal Colour & Varnishing Co., Ltd. Montreal.	.....
" 12	" "	298	Charlesmagne Taillon, St. Jerome.	3 "	51	Sherwin Williams	.....
" 19	" " ..	310	Adelard Sigouin Ste. Agathe des Mont	3 "	50	Mount Royal. ...	.....
" 19	" " ..	312	F. Lebrecque, Ste. Agathe des Mont.	3 "	60	R. C. Jameson. ..	.....
" 15	" "	2768	Anselme Provost, St. Francois Montmagny.	1 "	15	Can. Paint Co., Montreal.	.....
" 16	" " ..	2770	George Roy, Berthier	1 "	15	Martin Senour, Montreal.	.....
" 18	" " ..	2774	Alphonse Letourneau, St. Pierre, Montmagny.	1 "	15	Samson & Filion, Quebec.	.....
" 20	" " ..	2778	Joseph Dube, Cap St. Ignace	1 "	15	Stark Seybold Ltd. Montreal.	.....
" 21	" "	2784	Joseph Fournier, St. Thomas Montmagny.	1 "	15	J. E. Lemieux, Quebec.	.....
" 26	" " .	2790	Alphonse Labarge, Montmagny.	1 "	15	Can Paint Co., Montreal.	.....
" 27	" " ..	2791	Ludger Godbout, St. Rosaire, Montmagny.	1 "	15	Livingstone Linseed Oil, Montreal.	.....
" 28	" "	2795	J. P. Letourneau, St Paul, Montmagny.	1 "	15	Can. Paint Co., Montreal.	.....
" 29	" " ..	2798	G. Blais, St. Euphemi, Montmagny.	1 "	15	Sherwin Williams, Montreal.	.....
Sept. 14	Huile de peinture	321	Ernest Lahaie, St. Eustache, Comte des deux Mont.	3 "	30	Prudhomme, Montreal.	.....

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analysis.
	Refractive Index at 20°C.	Specific Gravity 15·5° C.	Saponification Number.	Spot Tes.	Unsaponifiable Matter.		
Concluded.							
.....	.....	0·935	191·4	Linseed	.....	3587	Genuine.
.....	.....	0·937	187·4	"	1·64	3590	"
.....	.....	0·938	188·1	"	1·64	3592	"
.....	.....	0·938	182·0	"	2·42	4402	Doubtful. Unsaponified residue is high.
.....	.....	0·938	189·9	"	.....	4404	Genuine.
.....	.....	0·937	184·8	"	1·48	4411	"
.....	.....	0·938	183·2	"	1·2[illegible]	4412	"
.....	.....	0·950	187·8	"	1·10	4417	Abnormal, Specific gravity, doubtful.
.....	.....	0·936	187·6	"	0·90	4421	Genuine.
.....	.....	0·939	186·8	"	1·24	4422	"
.....	.....	0·934	183·2	Doubtful.	2·94	297	Doubtful, Unsaponified residue in high.
.....	.....	0·937	183·8	Linseed	·68	298	Genuine.
.....	.....	0·935	190·3	"	...	310	"
.....	.....	0·937	191·4	"	...	312	"
.....	.....	0·9[illegible]8	185·6	"	...	2768	"
.....	.....	0·940	186·0	"	3·80	2770	"
.....	.....	0·938	189·8	"	.....	2774	"
.....	.....	0·935	177·5	Indicates mineral oil.	4·82	2778	Adulteration, saponification too low.
.....	.....	0·936	180·2	"	6·28	2784	" "
.....	.....	0·937	184·4	Linseed	1·20	2790	Genuine.
.....	.....	0·937	180·7	Doubtful.	5·38	2791	Adulterated, Saponification too low.
.....	.....	0·936	185·7	Linseed	1·50	2795	Genuine.
.....	.....	0·935	190·2	"	.....	2798	"
.....	.....	0·937	184·5	"	.....	321	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF THREE RIVERS—							
1915.							
July 7	Linseed Oil Crude.	69106	Chas. Leblanc, Joliette....	3 pts.	45	Can. Paint Co., Montreal.	.....
" 8	"	69115	S. Costello, Joliette.....	3 "	38	"	.....
" 7	"	69116	Edm. Wodon, Joliette.....	3 "	38	The Joliette Steel Co., Joliette.	.....
" 9	"	69117	Monahan Bros., St. Lin....	3 "	40	Imperial Oil Co., Montreal.	.....
" 10	"	69118	George Beaudoin, St. Esprit.	3 "	45	Can. Paint Co., Montreal.	.....
" 12	"	69119	E. Lamion, L'Epiphanie...	3	45	"	.....
" 22	"	69120	L. O. Lassalle, St. Jacques.	3 "	45	Caverhill Learmont, Montreal.	.....
" 13	"	69121	Bedard Cie, L'Assomption..	3 "	40	Can. Paint Co., Montreal.	.....
" 23	"	69163	J. A. Bellerose, St. Felix de Valois.	3 "	48	Lewis Bros., Montreal.	.....
" 23	"	69164	Wilfred Bonin, St. Felix de Valois.	3 "	48	Can. Paint Co., Montreal.	.....
DISTRICT OF EASTERN TOWNSHIPS—							
Aug. 11	Raw Linseed Oil.	63060	W. Bourque, Sherbrooke...	3 pts.	40	.....	.....
" 11	"	63061	Jos. Lacombe et fils, Sherbrooke.	3 "	35	Mount Royal Colour & Varnish Co., Montreal.	.....
" 11	"	63062	Marc. E. Cadieux, Sherbrooke.	3 "	45	Georgia Turpentine Co.	.....
" 11	"	63063	Coderre & fils, Inc., Sherbrooke.	3 "	45	Martin Senour Co., Ltd., Montreal.	.....
" 11	"	63064	J. S. Mitchell & Co., Sherbrooke.	3 "	60	Dom. Linseed Oil Co., Montreal.	.....
" 13	"	63065	Beaunoyer & Lalime, St. Hyacinthe.	3 "	37	Can. Paint Co., Montreal.	.....
" 13	"	63066	J. B. St. Pierre, St. Hyacinthe.	3 "	38	.....	.....
" 17	"	63067	N. Mitchell & Co., Granby.	3 "	35	Sherwin-Williams, Ltd., Montreal.	.....
" 18	"	63068	E. E. Gauvin & Co., Magog.	3 "	35	.....	.....
" 18	"	63069	W. McKenna, Magog.....	3 "	35	Ramsay Sons & Co., Montreal.	.....

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 20° C.	Specific Gravity at 15·5° C	Saponification Number.	Spot Test.	Unsaponifiable Matter.		
DR. V. P. LAVALLEE, INSPECTOR.							
.....	.....	0·936	192·1	Linseed.	....	69106	Genuine.
.....	.....	0·933	190·9	"	....	69115	"
.....	.....	0·930	159·1	Indicates mineral oil.	10·80	69116	Adulterated. Saponification too low. Some uncertainty in identification of sample.
.....	.....	0·933	192·1	Linseed.	.....	69117	Genuine.
.....	.....	0·940	192·1	"	.....	69118	"
.....	.....	0·935	192·8	"	..	69119	"
.....	.....	0·938	192·8	"	.....	69120	"
.....	.....	0·933	191·5	"	.....	69121	"
.....	.....	0·932	192·8	"	..	69163	"
.....	.....	0·933	192·1	"	....	69164	"
J. J. COSTIGAN, ACTING INSPECTOR.							
.....	.....	0·935	190·9	Linseed.	.....	63060	Genuine.
.....	.....	0·933	190·3	"	....	63061	"
.....	.....	0·934	166·8	Doubtful.	10·88	63062	Adulterated. Saponification too low.
.....	.....	0·935	189·8	Linseed	.. ..	63063	Genuine.
.....	.....	0·935	189·1	"	.....	63064	"
.....	.....	0·935	189·8	"	.....	63065	"
.....	.....	0·935	189·1	"	.....	63066	"
.....	.....	0·934	189·8	"	.....	63067	"
.....	.....	0·933	190·9	"		63068	"
.....	.....	0·935	192·0	"	.....	63069	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.
DISTRICT OF MONTREAL—							
1915.							
Aug. 4	Raw Linseed Oil.	67446	The People's Hardware Co., 152 St. Lawrence Boul., Montreal.	3 pts.	45	Unknown	
" 4	"	67447	L. J. A. Surveyor, 52 St. Lawrence Boul., Montreal	3 "	45	Mount Royal Colour and Varnish Co.	
" 16	"	67448	A. Brouillet, 1390 St. Lawrence Boul., Montreal.	3 "	38	Can. Paint Co.	
" 16	"	67449	O. Rollin & Co., 1324 St. Lawrence Boul., Montreal	3 "	38	Martin Senour Co.	
" 16	"	67450	Beauvrais Freres, 336 St. Lawrence Boul., Montreal	3 "	45	Unknown	
" 23	"	67451	J. O. Denis, 239 St. Paul St. E., Montreal.	3 "	30	Mount Royal Colour & Varnish Co	
" 24	"	67452	Levac & Lalonde, 187 Church Ave., Verdun.	3 "	40	Martin Senour Co.	
" 24	"	67453	Fauteux Ltd., 1365 Wellington St., Verdun.	3 "	40	Can. Paint Co.	
" 24	"	67454	The Raymond Hardware, Ltd., 343 Notre Dame St. W., Montreal.	3 "	38	Unknown	
" 24	"	67455	I. L. Lafleur, 366 Notre Dame St. W., Montreal.	3 "	38	Dom. Linseed Oil Co.	
DISTRICT OF VALLEYFIELD—							
July 22	Raw Linseed Oil.	57981	L. P. Beaulne, Hawkesbury.	3 pts.	40	Can. Paint Co.	
" 22	"	57982	J. G. Higginson, "	3 "	25	Brandram Henderson Co.	
" 22	"	57983	J. O. Phœnix, "	3 "	45	Can. Paint Co	
" 27	"	57984	Victor Leger, Valleyfield	3 "	40		
" 27	"	57985	Besner Chasle, "	3 "	36		
" 27	"	57986	N. Langevin, "	3 "	35		
" 27	"	57987	A. Lebeuf, "	3 "	35	McColl Bros. Montreal.	
" 28	"	57988	August Forget, St. Johns	3 "	30	" "	
" 28	"	57989	C. O. Gervais & Frere "	3 "	40		
" 28	"	57990	E. Laberge, Sherville	3 "	35		

RAW LINSEED OIL.

Inspector's Report (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinions of the Chief Analyst.
	Refractive Index at 30° C.	Specific Gravity at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.		
D. J. KEARNEY, INSPECTOR.							
.....	.....	0·939	189·8	Linseed.	.....	67446	Genuine.
.....	.....	0·936	186·7	"	2·52	67447	Doubtful; Unsaponified residue high.
.....	.....	0·936	191·4	"	.....	67448	Genuine.
.....	.....	0·934	190·9	"	.....	67449	"
.....	.....	0·935	189·8	"	.....	67450	"
.....	.....	0·935	189·8	"	...	67451	"
.....	.....	0·935	190·2	"	.....	67452	"
.....	.....	0·933	191·4	"	.....	67453	"
.....	.....	0·935	190·9	"	.....	67454	"
.....	.....	0·934	190·9	"	.....	67455	"
J. J. COSTIGAN, ACTING INSPECTOR.							
.....	.....	0·938	192·1	Linseed.	.....	57981	Genuine.
.....	.....	0·935	193·4	"	.....	57982	"
.....	.....	0·934	190·2	"	0·82	57983	"
.....	.....	0·934	190·2	"	..	57984	"
.....	.....	0·934	191·5	"	.....	57985	"
.....	.....	0·933	190·9	"	.....	57986	"
.....	.....	0·909	133·8	Doubtful.	25·30	57987	Adulterated; Saponification too low.
.....	.....	0·935	192·8	Linseed.	....	57988	Genuine.
.....	.....	0·930	148·4	Doubtful.	20·26	57989	Adulterated; Saponification too low.
.....	.....	0·934	189·6	Linseed.	0·78	57990	Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name And Address of Manufacturer or Furnisher as given by the Vendor, Manufacturer.	Furnisher.
DISTRICT OF OTTAWA—							
1915.							
July 16	Raw Linseed Oil.	59292	E. J. McGarry, Renfrew.	3 pts.	35	Ottawa Paint Works, Ottawa.	Mfrs.
" 16	" " ..	59293	Devine & Legree, Renfrew.	3 "	45	Livingstone Linseed Oil Co., Montreal.	"
" 17	" " ..	59294	R. H. Smart, Brockville.	3 "	30	Sherwin Williams, Montreal.	"
" ..	" " ..	59295	A. G. Dobbie & Co., Brockville.	3 .	40	Can. Linseed Oil Mills, Montreal.	"
" 17	" " ..	59296	B. D. Steacy, Brockville.	3 "	45	Can. Paint Co., Montreal.	"
" 24	" " ..	59297	Austin Jarvo, Cornwall.	3 "	35	Livingstone Linseed Oil Co., Montreal.	Stark, Seybold Ltd., Montreal
" 24	" " ..	59298	N. Turner, & Son, Cornwall.	3 "	35	Ottawa Paint Works, Ottawa.	Mfrs.
" 31	" " ..	59299	J. M. Taylor, Pembroke.	3 "	45	" "	"
" 31	" " ..	59300	Dunlop & Co., Ltd., Pembroke.	3 "	45	" "	"
Aug. 7	" " ..	51700	Stephen Pilon, Rockland.	3 "	30	" "	"
" 13	" " ..	63694	Taylor Bros., Carleton Place	3 "	35	McArthur & Irvine, Montreal.	"
" 13	" " ..	63695	W. J. Muirhead, Carleton Place.	3 "	35	" "	"
DISTRICT OF KINGSTON—							
July 28	Raw Linseed Oil.	70241	Savage & Wightman, Kingston.	3 pts.	18	Sanderson & Percy Co., Toronto.	
" 28	" " ..	70242	Robinson Bros., Kingston...	3 "	32		J. H. Morin, Toronto.
" 28	" " ..	70243	A. Chown & Co., Kingston.	3 "	15	Livingstone, Montreal.	
" 28	" " ..	70244	John Laird & Son, Kingston.	3 "	20		Dalton & Son, Kingston.
" 28	" " .	70245	H. W. Marshall, Kingston.	3 "	45		" "
" 28	" " ..	70246	Simmons Bros., Kingston...	3 "	20	Sherwin Williams, Montreal.	
" 28	" " ..	70247	J. B. Bunt & Co	3 "	35		Dalton & Son, Kingston.
" 28	" " ..	70248	W. A. Mitchell, Kingston..	3 "	30		" "
" 28	" " ..	70249	Batsford & Nicol, Kingston.	3 "	45		W. A. Mitchell, Kingston.
" 28	" " ..	70250	McKelvey & Birch, Kingston	3 "	30	McArthur & Irwin. Montreal.	

RAW LINSEED OIL

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 20° C.	Specific Gravity at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.		
J. A. RICKEY, INSPECTOR.							
.....	.....	0·934	188·2	Linseed	.....	59292	Genuine.
.....	.....	9·934	188·2	"	1·60	59293	"
.....	.....	0·933	188·8	"	.....	59294	"
.....	.....	0·934	188·8	"	...	52925	"
.....	.....	0·935	190·9	"	.....	59296	"
.....	.....	0·933	190·9	"	.....	59297	"
.....	.....	0·934	190·9	"	.....	59298	"
.....	.....	0·933	191·5	"	.....	59299	"
.....	.....	0·933	190·9	"	.....	59300	"
.....	.....	0·935	189·8	"	....	51700	"
.....	.....	0·934	192·1	"	...	63694	"
.....	.....	0·934	191·5	"	....	63695	"
JAMES HOGAN, INSPECTOR.							
.....	.....	0·933	189·4	Linseed	.....	70241	Genuine.
.....	.....	0·934	194·0	"	.....	70242	"
.....	.....	0·933	193·4	"	.....	70243	"
.....	.....	0·934	194	"	.....	70244	"
.....	.....	0·933	192·8	"	.....	70245	"
.....	.....	0·933	193·4	"	.....	70246	"
.....	.....	0·934	193·4	"	.....	70247	"
.....	.....	0·934	192·8	"	....	70248	"
.....	.....	0·934	190·8	"	...	70249	"
.....	.....	0·934	190·8	"	.....	70250	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
			DISTRICT OF TORONTO—				
1915.							
Aug. 8	Raw Linseed Oil.	70064	H. Stainton, 44 Vaughan Rd., Toronto.	3 bots.	30	Can. Linseed Oil Co., Baden.	.....
" 10	"	70065	R. P. Freek, 681 St. Claire, Toronto.	3 "	40	.....	H. H. Broadfield, Toronto.
" 11	"	70066	McMillan & Costin, 166 Main St., Toronto.	3 "	30	Sherwin-Williams, Ltd., Toronto.	.....
" 13	"	70067	Cutts Hardware Co., 1824 Dundas St. W., Toronto.	3 "	30	.....	Martin, Senour, Ltd., Toronto.
" 14	"	70068	A. M. Oldham, Weston	3 "	45	Sherwin-Williams, Ltd., Toronto.	.....
" 16	"	70069	Geo. Garrett, 582 College St., Toronto.	3 "	30	.....	Stewart & Wood, Toronto.
" 16	"	70070	J. Jolly, 702 College St., Toronto.	3 "	45	.....	" "
" 8	"	70071	Johnson & Co., 1000 Dundas St., Toronto.	3 "	30	Sherwin-Williams, Ltd., Toronto.	.....
" 18	"	70072	M. Toose, 121 Roncesville Ave., Toronto.	3 "	40	Turpentine Producers, Ltd., Toronto.	.....
" 20	"	70073	P. J. Madigan, 1130 Queen St. W., Toronto.	3 "	35	Sherwin-Williams, Ltd., Toronto.	.....
			DISTRICT OF HAMILTON—				
July 21	Raw Linseed Oil.	70051	W. W. McClelland & Co., Niagara-on-the-Lake.	3 pts.	20	Sherwin-Williams Co., Montreal.	.....
" 22	"	70052	Coy Bros., 73 St. Paul St., St. Catherines.	3 "	45	.....	Unknown .....
" 23	"	70053	J. T. Henderson, 43 Queen St., Niagara Falls.	3 "	40	.....	Hobbs Hardware Co., Ltd., London.
" 23	"	70054	Garner Bros., 122 Main St., Niagara Falls S.	3 "	35	Sherwin-Williams Co., Ltd., Toronto.	.....
" 24	"	70055	Chas. Kister, Chippawa....	3 "	38	.....	Unknown ..
" 28	"	70056	Smith & Schaerer, Bolton ..	3 "	25	.....	Sanderson, Pearey Co., Toronto.
Aug. 3	"	70057	J. A. Hendeson, Brampton.	3 "	35	.....	Sherwin-Williams Co., Toronto.
" 4	"	70058	L. Y. Reid, Georgetown...	3 "	40	Sherwin-Williams Co., Toronto.	.....
" 5	"	70059	A. J. Wright, 205 James St. N., Hamilton.	3 "	25	Livingstone Linseed Oil Co., Baden.	.....
" 5	"	70060	A. Oliver, 248 York St., Hamilton.	3 "	25	.....	Wood & Valance Co., Ltd., Hamilton.

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Refractive Index at 20° C.	Specific Gravity at 15·5 C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
H. J. DAGER, INSPECTOR.							
....	....	0·934	191·5	Linseed.	....	70064	Genuine.
....	....	0·936	192·1	"	....	70065	"
....	....	0·933	192·1	"	....	70066	"
....	....	0·934	192·1	"	....	70067	"
....	....	0·933	191·5	"	....	70068	"
....	....	0·936	187·7	"	0·62	70069	"
....	....	0·933	192·8	"	....	70070	"
....	....	0·935	192·1	"	....	70071	"
....	....	0·925	169·9	Doubtful.	9·68	70072	Adulterated. Saponification too low.
....	....	0·933	192·8	Linseed.	....	70073	Genuine.
H. J. DAGER, ACTING INSPECTOR.							
....	....	0·934	190·9	Linseed.	....	70051	Genuine.
....	....	0·935	192·8	"	....	70052	"
....	....	0·934	191·5	"	....	70053	"
....	....	0·931	189·6	"	....	70054	"
....	....	0·940	191·5	"	....	70055	"
....	....	0·932	191·5	"	....	70056	"
....	....	0·933	192·8	"	....	70057	"
....	....	0·934	191·5	"	....	70058	"
....	....	0·934	192·1	"	....	70059	"
....	....	0·933	192·1	"	....	70060	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
							DISTRICT OF WINDSOR
1915.							
Aug. 9	Raw Linseed Oil.	54643	Odell & Mitchell, London	3 bots.	20	Livingstone Oil Co., Baden.	.....
" 9	"	54645	Love Hardware Co., London.	3 "	25	" "	.....
" 9	"	54647	J. G. Steele & Co., London.	3 "	25	.....	Howden Hardware Co., London.
" 10	"	54649	A. Westman, London	3 "	20	.....	" "
" 10	"	54651	Kilpatrick Bros., London	3 "	20	.....	" "
" 10	"	54653	F. E. Jones, London East	3 "	10	.....	G. A. Burdick & Son, London.
" 12	"	54656	Fred W. Karn, Woodstock	3 "	20	Livingstone Linseed Oil Co., Baden.	.....
" 12	"	54658	J. N. Smiley, Woodstock.	3 "	20	.....	Davidson & McInnes, Woodstock.
" 12		54661	Davidson & McInnes, Woodstock.	3 "	25	.....	T. N. Dunn, Ingersoll.
" 13	"	54664	McMurtry Hardware Co., St. Thomas.	3 "	12½	Sherwin Williams Co., Toronto.	.....
" 13	"	54665	Jackson & Firth, St. Thomas	3 "	30	" "	.....
13	"	54668	A. E. Campbell, St. Thomas	3 "	17½	.....	Hobb's Hardware Co., London.
							DISTRICT OF MANITOBA—
Aug. 4	Raw Linseed Oil.	61328	R. Steinman Hardware Co., 541 Selkirk Ave., Winnipeg.	3 pts.	60	.....	S. F. Stephens Co., Winnipeg.
" 4	"	61330	Tulley & Davey, 1772 Main St., Winnipeg.	3 "	60	.....	Marshall Wells, Winnipeg.
" 5	"	61332	R. Thornton, 262 Tache Ave Norwood.	3 "	60	.....	Wood Valazee Co., Winnipeg
" 4	"	61335	Walter Johnson, 563 Sherbrooke St., Winnipeg.	3 "	60	.....	" "
" 4	"	61336	Andrew & Sons, Victor St., Winnipeg.	3 "	60	.....	Can. Paint Co., Winnipeg.
" 5	"	61337	Allaire & Bleau, 568 Tache Ave., St. Boniface.	3 "	60	.....	Sherwin Williams, Winnipeg.
" 7	"	61341	H. R. Wood, Napinka, Man.	3 "	45	.....	" "
" 9	"	61342	C. J. Wyers, 763 13th St., Brandon.	3 "	60	.....	Winnipeg Oil Co., Winnipeg
" 12	"	61343	A. J. Bond & Co., 1763 Portage Ave., St. James.	3 "	60	.....	Merrick Anderson, Winnipeg
" 12	"	61344	Aikenhead Clarke Hardware, Boyd Building, Winnipeg.	3 "	60	.....	Scrase & Co., Winnipeg.

RAW LINSEED OIL.

Inspector's Report (Is not an expression of Opinion.	Results of Analysis.								No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 20° C.	Specific Gravity at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.	Iodine Number.	Time of drying at 70° C.	Time of drying in air.		
JOHN TALBOT, INSPECTOR.										
.....	.....	0·934	190·9	Linseed	...	.....	.....	...	54643	Genuine.
.....	.....	0·934	190·9	"	...	.....	.....	...	54645	"
.....	.....	0·933	192·7	"	.....	.....	.....	...	54647	"
.....	.....	0·935	191·4	"	.....	.....	.....	...	54649	"
.....	.....	0·935	191·5	"	.....	.....	.....	...	54651	"
.....	.....	0·936	192·1	"	.....	.....	.....	...	54653	"
.....	.....	0·934	192·1	"	.....	.....	.....	...	[illegible]	"
.....	.....	0·934	192·1	"	.....	.....	.....	...	54658	"
.....	.....	9·933	190·9	"	.....	.....	.....	...	54661	"
.....	.....	0·934	192·1	"	.....	.....	.....	...	54663	"
.....	.....	0·934	190·2	"	.....	.....	.....	...	54665	"
.....	.....	0·934	192·1	"	.....	.....	.....	...	54668	"
J. B. COSGROVE, TEMP. INSPECTOR.										
.....	1·4809	0·9275 (Sp. Gravity 15·6° C.)	180·0	Linseed	.....	180·5	30 hrs.	3 days	61328	Doubtful. Saponification low.
.....	1·4814	0·9333	192·1	"	.....	189·3	30 "	3 "	61330	Genuine.
.....	1·4822	0·9340	191·8	"	...	196·7	48 "	3 "	61332	"
.....	1·4814	0·9330	193·4	"	...	190·8	48 "	3 "	61335	"
.....	1·4814	0·9331	191·7	"	.....	190·8	48 "	3 "	61336	"
.....	1·4820	0·9342	191·4	"	.....	197·7	48 "	3 "	61337	"
.....	1·4811	0·9332	190·6	"	.....	191·2	48 "	3 "	61341	"
.....	1·4820	0·9321	190·2	"	.....	193·7	48 "	3 "	61342	"
.....	1·4816	0·9338	192·7	"	.....	192·6	48 "	3 "	61343	"
.....	1·4818	0·9337	191·1	"	.....	194·6	30 "	3 "	61344	"

Date of Collection.	Nature of Sample	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents	Manufacturer.	Furnisher.
DISTRICT OF SASKATCHEWAN—							
1915.							
July 19	Raw Linseed Oil.	66397	Peart Bros., Regina	3 pts.	50	Unknown	
" 20	"	66399	John Goebel, Melville	3 "	50	Winnipeg Oil Co., Melville.	
" 20	"	66401	E. Smith, "	3 "	50	Can. Paint Co.	
" 20	"	66403	Wm. Anderson, "	3 "	40	Sherwin Williams Co., Winnipeg.	
" 21	"	66411	Chas. Beck, Yorktown	3 "	50	Winnipeg Oil Co., Yorktown.	
" 21	"	66414	Clemm & Lange, "	3 "	60	" "	
" 22	"	66417	Isbister & Pretty, Saskatoon	3 "	60	Marshall Wells, Winnipeg.	
" 23	"	66419	Fawcett Hardware Co. "	3 "	40	J. H. Ashdowne, Winnipeg.	
" 23	"	66420	Saskatoon Hardware Co., Saskatoon.	3 "	30	Winnipeg Oil Co., Saskatoon.	
" 23	"	66421	Burnett Bros., Saskatoon	3 "	30	J. H. Ashdowne, Winnipeg.	
DISTRICT OF ALBERTA—							
Aug. 10	Raw Linseed Oil.	52256	Northern Hardware Co., Edmonton.	3 pts.	40	Sherwin Williams Winnipeg.	
" 10	"	52257	Chown Hardware Co., Edmonton.	3 "	60	G. F. Stephen & Co., Winnipeg	
" 10	"	52258	Somerville Hardware Co., Edmonton.	3 bots.	60	Marshall Wells Alberta Co., Edmonton.	
" 10	"	52259	Cameron Co. Ltd., Edmonton.	3 "	50	B. A. Paint Co., Edmonton.	
" 12	"	52260	G. D. Wallace, Ltd., Wetaskiwin.	3 "	50	J. H. Ashdown & Co., Winnipeg.	
" 13	"	52261	A. M. Campbell, Lacombe.	3 "	40	" "	
" 15	"	52262	Morrison & Johnston Ltd., Lacombe.	3 "	35	Alta. Linseed Mills Medicine Hat.	
" 20	"	52263	J. H. Ashdown Hardware Co., Calgary.	3 "	30	" "	
" 20	"	52264	Marshall Hardware Ltd., Calgary.	3 "	60	Calgary Paint and Glass Co.	
" 20	"	52265	Hall Hardware Co., Calgary	3 "	25	Sherwin Williams Calgary.	

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.								No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 20° C.	Specific Gravity at 15·6° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.	Iodine Number.	Time of Drying at 70° C.	Time of Drying in air.		
L. H. HALL, INSPECTOR.										
.....	1·4810	0·9333	189·4	Linseed.	.....	188·0	36 hrs.	3 days.	66397	Genuine.
.....	1·4812	0·9330	190·3	"	.....	188·6	30 "	3 "	66399	"
.....	1·4824	0·9355	194·0	"	.....	197·4	30 "	3 "	66401	"
.....	1·4820	0·9345	191·[illegible]	"	.....	184·1	36 "	3 "	66403	"
.....	1·4810	0·9323	190·3	"	.....	187·0	48 "	3 "	66411	"
.....	1·4810	0·9325	192·2	"	.....	185·3	48 "	3 "	66414	"
.....	1·4813	0·9337	191·7	"	.....	191·5	48 "	3 "	66417	"
.....	1·4809	0·9336	191·8	"	.....	188·3	48 "	3 "	66419	"
.....	1·4809	0·9335	192·7	"	.....	187·0	30 "	3 "	66425	"
.....	1·4809	0·9333	193·1	"	.....	189·0	30 "	3 "	66421	"
A. W. R. MARKLEY, INSPECTOR.										
	Refractive Index at 20° C.	Specific Gravity at 15·6° C.								
.....	1·4808	0·9350	188·0	.....	.....	185·0	13 hrs.	.....	52256	Genuine.
.....	1·4802	0·9339	189·0	.....	.....	191·0	13 "	.....	52257	"
.....	1·4800	0·9343	186·0	.....	.....	189·0	13 "	.....	52258	"
.....	1·4795	0·9317	189·0	.....	.....	187·0	13 "	.....	52259	"
.....	1·4800	0·9338	189·0	.....	.....	187·0	13 "	.....	52260	"
.....	1·4808	0·9335	186·0	.....	.....	186·0	20 "	.....	52261	"
.....	1·4802	0·9335	186·0	.....	.....	183·0	13 "	.....	52262	"
.....	1·4807	0·9335	186·0	.....	.....	186·0	13 "	.....	52263	"
.....	1·4803	0·9339	188·0	.....	.....	186·0	19 "	.....	52264	"
.....	1·4796	0·9320	186·0	.....	.....	182·0	19 "	.....	52265	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF ROCKY MOUNTAINS—							
1915.							
July 20	Raw Linseed Oil.	61846	N. Wilmes, Trail	3 pts.	60	Sherwin-Williams Co., Montreal.	.....
" 20	"	61853	Hunter Bros., Rossland	3 "	40	....	Jones & Dillingham, Spokane.
Aug. 6	"	61868	Vernon Hardware Co., Vernon.	3 "	60	....	Woods, Vallance & Leggett, Vancouver.
" 10	"	61873	Wilcox Hall, Kamloops ..	3 "	50	.. ..	McLellan & McFeely, Vancouver.
" 10	"	61874	Marlatt & McKenzie, Kamloops.	3 "	50	B. A. Paint Co., Victoria.	.....
" 10	"	61877	N. S. Dalgleish, Kamloops .	3 "	50	Sherwin-Williams Co., Montreal.	.....
" 16	"	61881	Merritt Mercantile Co., Merritt.	3 "	65	.....	Woods, Vallance & Leggett, Vancouver.
" 16	"	61884	Armstrong's Deptl. Stores, Merritt.	3 "	50	.....	E. G. Prior & Co., Victoria.
" 16	"	61885	J. A. Menzie's, Ltd., Merritt.	3 "	50	.....	McLellan & McFeely, Vancouver.
DISTRICT OF VANCUOVER—							
July 28	Raw Linseed Oil.	55338	W. C. Stearman, 613 Granville St., Vancouver.	3 bots.	60	Sherwin-Williams Co., Montreal.	... .
" 28	"	55339	Hunter, Henderson Paint Co., 642 Granville St., Vancouver.	3 "	60	B. A. Paint Co., Victoria.	....
" 29	"	55340	F. R. Begg & Co., Ltd., 167 Pender St. W., Vancouver.	3 "	50	A. Ramsay & Son, Montreal.	.....
" 29	"	55341	Imperial Varnish and Colour Co., Ltd., 42 Pender St. W., Vancouver.	3 "	60	Vendors....	.....
" 29	"	55342	Wood, Vallance & Leggett, 8 Cordova St. W., Vancouver.	3 "	40	Unknown	... .
" 30	"	55343	R. C. Jamieson & Co., 1073 Hamilton St., Vancouver.	3 "	40	Vendors.....	... .
" 30	"	55344	Crown Paint Co., 24 Cordova St. E., Vancouver.	3 "	50	Strathelyde Oil and Grease Works, Glasgow, Scot.	....
" 31	"	55345	Cunningham Hardware Co., Columbia St., New Westminster.	3 "	45	B. A. Paint Co., Victoria.	.....
" 31	"	55346	T. J. Trapp & Co., Ltd., Columbia St., New Westminster.	3 "	50	Unknown	....
" 31	"	55347	H. T. Kirk, Columbia St., New Westminster.	3 "	60	Alberta Linseed Oil Mills, Medicine Hat.	.....

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.								No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Refractive Index at 25° C.	Sp. Gr. at 15·5° C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.	Iodine Number (Hanus).	Time of Drying at 70° C.	Time of Drying in Air.		
THOS. PARKER, INSPECTOR.										
.....	1·4795	0·9327	188·0	.....	....	188·0	19 hrs.	..	61846	Genuine.
.....	1·4806	0·9337	189·0	.....	.....	189 0	19 "	....	61853	"
.....	1·4802	0·9341	189·0	.....	.....	188·0	19 "	....	61868	"
.....	1·4807	0·9335	188·0	.....	.....	189·0	19 "	.....	61873	"
.....	1·4802	0·9337	189·0	.....	.....	186·0	19 "	.....	61874	"
.....	1·4808	0·9348	189·0	.....	....	190·0	19 "	.....	61877	"
.....	1·4798	0·9330	190 0	.....	.....	183·0	24 "	....	61881	"
.....	1·4805	0·9338	189·0	.....	..	188·0	19 "	.....	61884	"
.....	1·4802	0·9338	190·0	.....	.....	186·0	19 "	.....	61885	"
E. J. MORGAN, INSPECTOR.										
.....	1·4803	0·9350	189·0	.....	....	193·0	13 hrs.	.....	55338	Genuine.
.....	1·4801	0·9341	188·0	.....	.....	190·0	13 "	.....	55339	"
.....	1·4800	0·9331	188·0	.....	.....	186·0	39 "	.....	55340	"
.....	1·4790	0·9257	174·0	.....	0·86	177·0	19 "	...	55341	Doubtful; saponification low.
.....	1·4800	0·9339	190·0	.....	....	184·0	19 "	.....	55342	Genuine
.....	1·4798	0·9333	190·0	.....	.....	186·0	19 "	.....	55343	"
.....	1·4787	0·9320	185·0	.....	.....	175·0	20 "	.....	55344	"
.....	1·4800	0·9339	188·0	.....	.....	186·0	20 "	.....	55345	"
.....	1·4800	0·9338	186·0	.....	.....	185·0	19 "	....	55346	"
.....	1·4802	0·9342	188·0	.....	.....	188 0	19 "	.....	55347	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher
							DISTRICT OF VICTORIA—
1915.							
Sept. 24	Raw Linseed Oil.	66789	Mellon Bros., P.O. Box 382, Victoria.	3 pts.	60	.....	F. R. Begg, Ltd., Vancouver.
" 24	"	66791	The Staneland Co., 840 Fort St., Victoria.	3 "	75	.....	Burrell & Co., London, Eng.
" 27	"	66794	H. Harkness & Son, 919 Pandora St., Victoria.	3 "	75	.....	B. A. Paint Co., Victoria.
" 27	"	66796	J. L. Forrester, 1304 Douglas St., Victoria.	3 "	45	.....	" "
" 28	"	66798	P. McQuade & Son, Ltd., 1214 Wharf St., Victoria.	3 "	50	.....	Sherwin-Williams, Winnipeg.
" 28	"	66800	E. B. Marvin & Co., 1202 Wharf St., Victoria.	3 "	45	.....	B. A. Paint Co., Victoria.
" 29	"	66602	British-American Paint Co., Laurel Point, Victoria.	3 "	25	.....	Alberta Linseed Oil Mills, Medicine Hat.
" 29	"	66604	The Melrose Co., Ltd., 618 Fort St., Victoria.	3 "	60	.....	A. Ramsay & Co., Montreal.

RAW LINSEED OIL.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.								No. of Sample.	Remarks and Opinion of the Chief Analyst
	Refractive Index at 25° C.	Sp. Gr. at 15·5°C.	Saponification Number.	Spot Test.	Unsaponifiable Matter.	Iodine Number (Hanus).	Time of Drying at 70° C.	Time of Drying in Air.		
D. O'SULLIVAN, INSPECTOR.										
.....	1·4800	0·9342	190·0	.....	.....	185·0	19 hrs.	.....	66789	Genuine.
.....	1·4792	0·9324	189·0	.....	.....	178·0	19 "	...	66791	"
.....	1·4802	0·9342	189·0	.....	.....	182·0	19 "	.....	66794	"
.....	1·4802	0·9343	189·0	.....	.....	183·0	19 "	.....	66796	"
.....	1·4800	0·9338	189·0	.....	.....	185·0	19 "	...	66798	"
.....	1·4800	0·9339	189·0	.....	..	185·0	19 "	.....	66800	"
.....	1·4800	0·9335	190·0	.....	.....	186·0	19 "	.....	66602	"
.....	1·4805	0·9342	189·0	.....	.....	189·0	19 "	.....	66604	"